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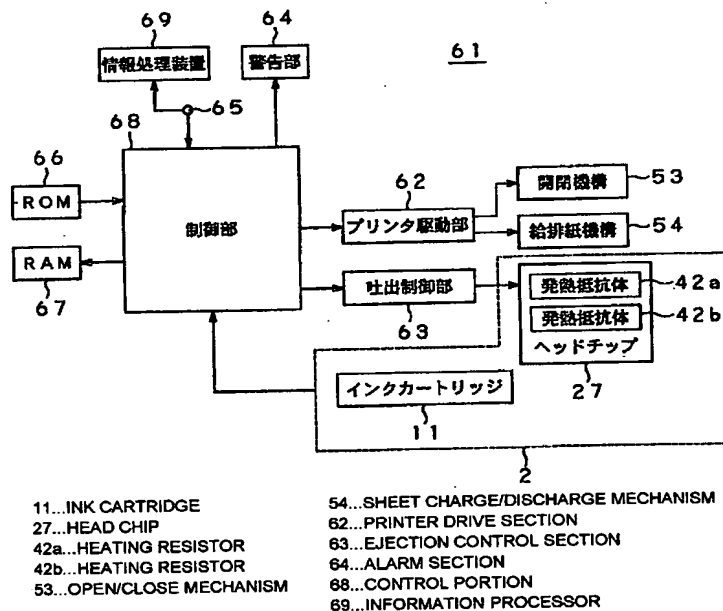
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(54) Title: LIQUID EJECTOR AND LIQUID EJECTING METHOD

(54) 発明の名称: 液体吐出装置及び液体吐出方法



(57) Abstract: A liquid ejector for ejecting ink from an ejection opening, comprising a control section (68) for controlling an ejection control section (63). The control section controls the ejection control section with reference to a pulse current being supplied to one of a pair of heating resistors (42a, 42b) such that the other heating resistor is supplied with a pulse current while supply timing of this pulse current is being shifted from that of the reference pulse current within 20% of the reference pulse current supply time. Since a variation in shooting position of ink liquid drops ejected while varying the ejecting direction can be suppressed, deterioration of image quality due to irregular color tone, a white streak, etc. can be prevented and excellent image quality can be ensured in printing.

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ABSTRACT

The present invention is directed to a liquid discharge apparatus adapted for discharging inks from discharge holes, which comprises a control unit (68) for controlling a discharge control unit (63), wherein the control unit controls the discharge control unit in such a manner that pulse current delivered to one of a pair of heating resistors (42a), (42b) is caused to be reference, and pulse current is delivered to the other heating resistor in the state where timing is shifted in a time of the range within 20% of supply time of pulse current serving as reference with respect to supply timing of pulse current serving as reference. Thus, it is possible to suppress unevenness or variation of impact positions of ink droplets discharged in the state where discharge direction has been changed. As a result, deterioration of picture quality resulting from color tone unevenness and/or white stripe, etc. is prevented. Thus, print operation can be performed at excellent picture quality.